

1874MNRAS...35...55W

ARIEL.

Date.	Wash. M.T. h m	Distance [$\Delta=30^{\circ}07'$]. "	No. of Meas.	Weight.	Position. Angle °	No. of Obs.	Weight.	Observer.
1874. Jan. 14	12 7	14'91	2	2	°			Newcomb
	12 18				176.1	3	2	
28	19 50.5	14.28	5	3				"
	11 55				351.1	5	3	
Feb. 21	9 14	14.42	3	2				"
Mar. 14	9 42	12.84	4	3				"
	9 54				28.1	4	2	
24	10 19	12.38	3	1				"
	10 26				38.9	3	2	

Comparison of the Mean Places of Standard Stars observed at Oxford in the year 1871, with the Places given in the Berlin Astronomische Jahrbuch for 1871. By Dr. J. Ph. Wolfers.

(Communicated by the Radcliffe Observer.)

Name of Star	Number of Oxford Observa- tions.	Mean observed R.A., 1871, Jan. 1. h m s	Tabular seconds of R.A. s	Excess of observed R.A. s	Number of Oxford Observa- tions.	Mean observed Decl. 1871, Jan. 1. ° ' "	Tabular seconds of Decl. "	Excess of observed Decl. "
α Androm.	6	0 1 43.36	43.38	-0.02	12	+28 22 41.21	42.33	-1.12
γ Pegasi	3	0 6 35.63	35.76	-0.13	5	+14 27 59.20	58.91	+0.29
α Cassiop.	6	0 33 12.11	12.00	+0.11	15	+55 49 45.27	46.37	-1.10
[β Ceti]	3	0 37 6.64	6.78	-0.14	3	-18 41 42.53	43.34	-0.81
α Arietis	6	1 59 54.30	54.35	-0.05	9	+22 51 5.30	4.93	+0.37
[γ^2 Ceti]	3	2 36 36.99	37.13	-0.14	2	+ 2 41 26.29	26.45	-0.16
α Ceti	5	2 55 32.25	32.27	-0.02	6	+ 3 34 54.65	55.01	-0.36
[δ Arietis]	3	3 4 15.32	15.44	-0.12	4	+19 14 13.33	13.34	-0.01
α Persei	3	3 15 7.38	7.51	-0.13	6	+49 23 57.77	58.33	-0.56
α Tauri	7	4 28 31.21	31.25	-0.04	8	+16 14 51.02	52.57	-1.55
α Aurigæ	9	5 7 9.65	9.81	-0.16	10	+45 51 48.56	49.58	-1.02
β Orionis	3	5 8 20.34	20.39	-0.05	2	- 8 21 9.55	10.11	-0.56
β Tauri	7	5 18 8.28	8.34	-0.06	9	+28 29 44.74	44.19	+0.55
α Canis Maj.	7	6 39 27.61	27.60	+0.01	8	-16 32 29.67	30.04	-0.37
α Geminor.	11	7 26 21.95	21.89	+0.06	23	+32 10 7.93	7.74	+0.19
α Canis Min.	15	7 32 32.85	32.78	+0.07	21	+ 5 33 11.20	12.45	-1.25

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Name of Star	Number of Oxford Observations	Mean observed R.A., 1871, Jan. 1 h m s	Tabular seconds of R.A. s	Excess of observed R.A. s	Number of Oxford Observations	Mean observed Decl. 1871, Jan. 1. ° ' "	Tabular seconds of Decl. "	Excess of observed Decl. "
β Geminor.	16	7 37 25.15	25.20	-0.05	26	+28 20 7.01	7.56	-0.55
α Hydræ	3	9 21 14.86	14.91	-0.05	2	- 8 6 3.60	2.09	+1.51
α Leonis	5	10 1 30.01	30.01	0.00	12	+12 35 47.95	48.38	-0.43
[γ^1 Leonis]	3	10 12 51.48	51.45	+0.03	4	+20 29 35.46	35.37	+0.09
α Ursæ Maj.	3	10 55 44.97	44.72	+0.25	16	+62 26 48.35	47.84	+0.51
[χ Leonis]	4	10 58 21.66	21.80	-0.14	4	+ 8 1 58.12	57.55	+0.57
[δ Leonis]	4	11 7 14.61	14.83	-0.22	6	+21 13 48.21	48.80	-0.59
[δ Crateris]	3	11 12 53.46	53.62	-0.16	2	-14 4 51.59	51.15	+0.44
β Leonis	2	11 42 28.75	28.73	+0.02	2	+15 17 33.64	35.79	-2.15
γ Ursæ Maj.	4	11 47 2.16	2.20	-0.04	13	+54 24 42.34	42.93	-0.59
[γ Virg. med.]	2	12 35 7.49	7.56	-0.07	3	- 0 44 29.48	29.06	+0.42
[12 ² Can. Ven.]	1	12 49 59.41	59.46	-0.05	3	+39 0 55.70	56.27	-0.57
α Virginis	3	13 18 23.96	23.98	-0.02	1	-10 29 13.02	13.63	-0.61
[ζ Virginis]	5	13 28 7.28	7.42	-0.14	3	+ 0 3 51.94	54.21	-2.27
η Ursæ Maj.	11	13 42 27.09	27.36	-0.27	17	+49 57 28.70	28.57	+0.13
[η Boötis]	17	13 48 32.53	32.68	-0.15	19	+19 2 42.89	43.74	-0.85
α Boötis	15	14 9 46.68	46.69	-0.01	19	+19 51 17.88	19.52	-1.64
β Ursæ Min.	9	14 51 6.44	6.42	+0.02	21	+74 40 56.82	55.89	+0.93
[ψ Boötis]	3	14 58 55.06	55.14	-0.08	5	+27 27 7.38	8.42	-1.04
α Coronæ	11	15 29 13.60	13.64	-0.04	17	+27 9 0.53	2.47	-1.94
α Serpentis	6	15 37 54.97	54.93	+0.04	8	+ 6 49 58.68	60.37	-1.69
[ζ Ursæ Min.]	1	15 48 42.90	43.26	-0.36	7	+78 11 23.88	24.59	-0.71
α Scorpii	16 21 30	1	-26 8 34.12	34.82	-0.70
α Herculis	3	17 8 46.00	46.01	-0.01	5	+14 32 22.05	22.35	-0.30
[β Draconis]	3	17 27 31.27	31.14	+0.13	4	+52 23 50.37	52.14	-1.77
α Ophiuchi	5	17 28 56.77	56.82	-0.05	7	+12 39 21.26	22.48	-1.22
[μ Herculis]	6	17 41 24.67	24.60	+0.07	11	+27 47 52.13	53.90	-1.77
γ Draconis	2	17 53 36.80	36.80	0.00	9	+51 30 17.42	17.81	-0.39
α Lyrae	6	18 32 34.12	34.28	-0.16	12	+38 39 53.89	54.46	-0.57
[β^1 Lyrae]	7	18 45 19.04	19.04	0.00	12	+33 12 52.58	51.87	+0.71
[δ Aquilæ]	4	19 18 59.60	59.61	-0.01	2	+ 2 51 34.77	35.30	-0.53
γ Aquilæ	8	19 40 7.56	7.64	-0.08	7	+10 18 2.53	3.01	-0.48
α Aquilæ	5	19 44 29.44	29.39	+0.05	16	+ 8 31 45.37	46.59	-1.22
β Aquilæ	8	19 48 58.58	58.63	-0.05	5	+ 6 5 10.75	11.02	-0.27
α^2 Capricorni	5	20 10 53.64	53.76	-0.12	3	-12 56 34.13	33.46	+0.67
α Cygni	1	20 37 1.91	2.06	-0.15	3	+44 49 12.75	13.68	-0.93
α Cephei	8	21 15 30.05	29.95	+0.10	27	+62 2 21.82	21.10	+0.72
β^2 Cephei	7	21 26 59.31	59.18	+0.13	17	+69 59 40.54	39.43	+1.11

Name of Star	Number of Oxford Observations	Mean observed R.A., 1871, Jan. 1			Tabular seconds of R.A.	Excess of observed R.A.	Number of Oxford Observations	Mean observed Decl. 1871, Jan. 1			Tabular seconds of Decl.	Excess of observed Decl.
		h	m	s	s	s		°	'	"	"	"
α Aquarii	7	21	59	9.45	9.49	-0.04	6	-0	56	44.06	43.49	+0.57
α Piscis Aust.	3	22	50	30.98	31.07	-0.09	4	-30	18	19.24	18.89	+0.35
α Pegasi	6	22	58	20.14	20.21	-0.07	11	+14	30	41.39	43.40	-2.01
[γ Piscium]	9	23	10	28.64	28.65	-0.01	9	+2	34	40.12	40.19	-0.07
[ι Piscium]	5	23	33	18.98	19.06	-0.08	6	+4	55	37.98	38.07	-0.09
[ω Piscium]	3	23	52	41.20	41.32	-0.12	3	+6	8	56.18	57.05	-0.87
α Ursæ Min.	60	1	11	38.36	37.11	+1.25	103	+88	37	17.46	17.57	-0.11
δ Ursæ Min.	16	18	13	57.06	57.01	+0.05	39	+86	36	22.35	21.58	+0.77

Note by Mr. MAIN to the preceding Table.

The tabular places are in general those given in the *Tabulæ Reductionum* by Dr. Wolfers, and which are used in the *Berliner Jahrbuch*. Those to which brackets are attached are not found in Wolfers, but are taken from the *Jahrbuch*.

The agreement of the observed and tabular declinations is on the whole satisfactory, but in all cases in which differences greater than one second exist, as in the cases of the stars α Andromedæ, α Cassiopeiæ, Aldebaran, Procyon, ζ Virginis, Arcturus, ψ Boötis, α Coronæ, α Serpentis, β Draconis, α Ophiuchi, μ Herculis, α Aquilæ, β Cephei, and α Pegasi, the agreement with Greenwich (as exhibited in the *Introduction to the Radcliffe Observations for 1871*, pp. l-lvi.) is much closer than with the *Jahrbuch*.

Observations of Coggia's Comet (III. 1874). By J. Ellery, Esq.

I enclose some observations of Coggia's Comet which have been obtained here. The Comet was first seen at the Observatory on the morning of July 27, but in some places it had been observed as early as the 25th.

It has been very bright, and the nucleus very stellar, so that full illumination of the wires of a fine filar micrometer could be borne throughout the observations now sent. I believe the places can be depended upon to very small limits. A series of drawings of the appearance have been obtained by aid of the Great Reflector. It will evidently be within the reach of observation for some time to come yet, although it has much diminished in brightness the last few days. The observations enclosed were made with our $4\frac{1}{2}$ -inch Equatoreal.